



United States District Court – Southern District of Illinois

750 Missouri Avenue
East St. Louis, Illinois 62201
618-482-9371

301 West Main Street
Benton, IL 62812
618-439-7760

REQUEST FOR PROPOSAL

**Crestron Evidence Presentation System
Digital Video Infrastructure Upgrade**

**RESPONSE DUE BY:
Monday Aug 31, 2015 – 5:00pm CDT**

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I INTRODUCTION – SUMMARY OF PROCUREMENT

This Request for Proposal (RFP) is being issued by the United States District Court – Southern District of Illinois (ILSD). The district is requesting a turnkey upgrade of the video signal processing and display capabilities of the evidence presentation system located in a first floor courtroom. The project requires all necessary material and professional services to facilitate the upgrade according to the scope of work presented later in this document.

II EVALUATION AND PROCUREMENT PROCESS

The ILSD is requesting proposals from **qualified Crestron partners**.

The ILSD will evaluate the proposals and make the award based on **technically acceptable lowest price criteria**.

The award date is currently set for Friday September 4, 2015.

The ILSD reserves the right to reject any or all proposals, in whole or in part, submitted in response to this RFP. The district further reserves the right to make no award and to modify or cancel, in whole or in part, this RFP.

Procurement Schedule (all times are CDT)	
Issue RFP	August 17, 2015
Site Visit (301 West Main Street, Benton IL) <ul style="list-style-type: none">Per request, alternate times available	August 21, 2015
Proposal Due Date and Time	August 31, 2015
Notice of award	September 3, 2015
Execution of Purchase Order (estimated)	September 4, 2015

The RFP and any addenda/updates will be available on the District's website: <http://www.ilsd.uscourts.gov>

All proposal submissions along with the acceptance of this RFP must be made via one of the following:

Standard Mail	Email
US District Court ATTN: Jerod Merz 750 Missouri Avenue East St. Louis, IL 62201	Jerod_merz@ilsd.uscourts.gov

All materials submitted in response to this solicitation will become the property of the United States District Court – Southern District of Illinois and will be returned only at the district's option. One copy of a submitted proposal will be retained for official files and may become public record.

Vendors submitting proposals do so entirely at their expense. There is no express or implied obligation by the ILSD to reimburse a vendor for any costs incurred in preparing or submitting proposals, providing additional information when requested by the ILSD, or by any participation in this RFP.

Proposals must include the vendor name, address, telephone and facsimile numbers, and federal tax identification number. *Proposals must also include (1) a listing of available start dates subsequent to the PO issuance date, and (2) a timeline for project implementation.*

This RFP does not constitute a contract, an offer for employment, or an offer to purchase. In addition, any purchase order awarded as a result of this RFP is subject to any additional restrictions, limitations, or conditions established by the procurement policies within the ILSD and the Administrative Office of the United States Courts.

The ILSD is exempt from federal, state, and local taxes and will not make payment for any taxes incurred by the vendor in relation to this procurement.

Payment for material will be remitted to the vendor within 30 days of receipt of all equipment. Payment for installation will be made within 30 days of satisfactory project completion – defined by all requirements of this solicitation being fulfilled to approval of ILSD.

The ILSD does not make any advance payment for goods or services.

III SCOPE OF SERVICES

This solicitation is for the purchase and delivery of the material and professional services necessary to complete an upgrade to the court's existing evidence presentation system using the items listed in the contained bill of materials as a reference baseline.

CURRENT SYSTEM OVERVIEW

The existing evidence presentation system is a multi-media platform with (5) 15-pin VGA and 3.5mm audio input connections at (5) locations – (1) prosecution table, (1) defense table, (1) presentation cart, (1) Courtroom Deputy, and (1) Judge's bench – used for connecting laptop computers as input sources. The presentation cart also contains a document camera and a DVD/VHS combo unit as source video/audio inputs. The system

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video source selection, audio controls, and all other system functionality are managed via 2 Crestron touch panels located at the Courtroom Deputy station and at the Judge's Bench. Input video sources are displayed across 11 monitors and one projector located throughout the courtroom, and input audio sources are broadcast over speakers located throughout the courtroom. The system is also equipped with wired and wireless microphones. The current video display capability is limited to 1024x768 standard definition resolutions with 4:3 aspect ratios.

The current system allows for the connection of a videoconferencing system as a source input which then displays the far side video of that videoconference to all courtroom displays, and broadcasts the far side audio to all courtroom speakers. The near side participants can speak into any microphone in the courtroom system, and that audio is sent to the far side participants.

The system has annotation capabilities from two touch screen monitors - one located at the presentation cart, and the other located in the witness box.

The Courtroom Deputy and the Judge have the ability to mute the video being displayed to the jury, witness, evidence cart, prosecution, and defense tables.

SYSTEM UPGRADE OVERVIEW

In addition to providing the below component system upgrades, **all current system functionality must be preserved.** It will be the vendor's responsibility to use the site survey as the opportunity to understand current capabilities, review the touch panel screens that drive the system functions, and to ask any questions relating to the existing functionality.

The primary objective of the project is to upgrade the video display capability to a digital format providing 1080p high definition resolution with 16:9 aspect ratios. All video input source locations (mentioned above) must still retain the 15-pin VGA connectors to support legacy devices, and receive (1) additional 15-pin VGA and audio connection, and (2) new HDMI connections. So when the project is complete, each counsel table will be equipped to support 2 simultaneous sources using either VGA or HDMI – selectable from the Crestron touch panels.

All current monitors in the courtroom (11), the projector (1), and the supporting wiring, must be replaced with high definition devices and cabling supporting 1080p and 16:9 aspect ratios. The new system components must include the capability and be configured to seamlessly upscale to 1080p, the signal of any device that connects to the system using a lesser quality signal.

The current system uses a Boeckeler PointMaker PVI-83 annotation device which is not capable of 1080p output. This project upgrade must include an upgrade to a suitable annotation device capable of supporting 1080p. Annotation capability must be provided via a touch screen monitor located at the presentation cart and at the witness box with the ability to "clear last" and "clear all" annotations from each touch screen monitor. These touch screen monitors are included in the total monitors (8) referenced above.

The upgrade shall include additional Crestron programming to incorporate the ability for the Judge to "clear last" and "clear all" annotations from the Crestron touch panel on their bench. This capability is currently only available at each of the annotation monitors (which must be preserved), but the addition of the capability on the Crestron touch panel is a project requirement.

Additional system modifications will include:

- An additional display monitor and cabling must be added to the Courtroom Deputy Station (this now brings the total monitor count to 12 - 11 existing plus 1 addition)
- The current projector and lens must be replaced with a new projector and lens capable of displaying the new 1080p resolution. The new projector must have a minimum of 8000 lumens. The image displayed by the projector must fill the current screen horizontally. The screen is 107" wide, and the approximate throw distance is 38'. It is the responsibility of the contractor to get the exact throw distance to determine the appropriate lens requirements. The projector is mounted on a slide out shelf above the jury. The new projector must fit on the shelf and allow for the shelf to slide completely into the wall. Considerations for heat dissipation must be addressed.
- As described above, each counsel table currently has a (1) 15-pin VGA and 3.5mm audio connection for source input. In addition each counsel table will receive (1) additional 15-pin VGA and audio connection, and (2) new HDMI connections.
- The Judge's bench will consist of (1) VGA and 3.5mm audio connection and (1) HDMI connection.
- The Courtroom Deputy station will consist of (1) VGA and 3.5mm audio connection and (1) HDMI connection.
- The evidence cart will include (1) VGA and 3.5mm audio connection and (1) HDMI connection. It will also retain the functionality of a DVD/VCR and document camera.
- The current system supports the ad-hoc connection and integration of a Polycom video conferencing unit described previously. In addition to preserving this functionality, the system must be modified to allow sending near side content to the far side of the video conference when in session. The control of this content sharing must be done via the Crestron touch panel.

We have an existing courtroom that has this same functionality and can be used as a reference.

- With the addition of multiple inputs, provisions may need to be made to allow for seamless audio integration of these additional inputs.
- All cabling and connectors used to connect Crestron DM devices to the Matrix Switcher will be Crestron Certified cable. (Crestron DM-CBL-8G and DM-8G-CONN)

All components provided as a part of this upgrade must be HDCP compliant to facilitate the input and display of any protected content or devices that should connect to the system.

All new system components acquired and installed as a part of this project must be warranted for 12 months following the date the system is officially activated. The warranty provision must include all equipment, parts, and labor.

The contractor proposal must be a turnkey solution fully implemented to meet all the specifications cited above **without altering or degrading any other system functionality currently in place**. Additionally, all new equipment must seamlessly integrate and operate under the control of the existing Crestron control platform. The contractor is responsible for all Crestron programming that will be necessary to integrate the new system.

The Contractor will provide detailed **As Built** drawings for all new equipment installed during the upgrade process.

The Contractor will provide a copy of all Crestron code at the completion of the project.

All travel costs are the responsibility of the contractor, and secure parking will be available at the project site.

Background investigations and clearances shall be completed for all personnel who are assigned to work on this project. The contractor shall provide the names, dates of birth, and social security numbers for all assigned personnel upon award of this contract. All personnel shall present valid state issued picture identification (e.g., driver's license) upon arrival at the Courthouse to begin project work. Be advised that this list of names needs to be provided within ten (10) days after project award due to the time involved for these background checks.

IV REQUESTED BILL OF MATERIALS

Below is a baseline listing of the bill of materials that should be used as a guide to prepare the proposal. **This bill of materials is not specified as a design and mandate but rather as a guide. The full system design is the responsibility of the contractor.** Appropriate substitutions will be considered as long as the objectives and requirements outlined in the scope of work can be fulfilled with those substitutions.

Item	Descriptio	Qty
Crestron DM-MD16X16	CRESTRON 16 X 16 Digital Media Switcher	1
Crestron DMC-4K-C-DSP	HDBaseT Certified DigitalMedia 8G+ Input Card w/Downmixing for DM Switchers	9
Crestron DMC-4K-HD-DSP	4K HDMI Input Card w/Downmixing for DM Switchers	1
Crestron DMC-4K-CO-HD	2-Channel HD Base-T Certified 4K DigitalMedia 8G+ Output Card for DM Switchers	6
Crestron DMC-4K-HDO	Crestron 2-Channel 4K Scaling HDMI Output Card for DM Switchers	1
Crestron HD-DA-2	CRESTRON 1 TO 2 HDMI DISTRIBUTION AMPLIFIER & AUDIO	3
Crestron DM-TX-201-C	Crestron DigitalMedia 8G+ Transmitter 201	8
Crestron DM-RMC-4K-SCALER-C	Crestron 4K DigitalMedia 8G+ Receiver & Room Controller w/Scaler	10
Crestron DM-RX1-4K-C-1G	Wall Plate 4K DigitalMedia 8G+® Receiver	1
Crestron DM-TX1-4K-C-1G	Wall Plate 4K DigitalMedia 8G+® Transmitter	1
Pointmaker CPN-5800	Boekcler annotation system with annotation, scaling, and capture capabilities	1
Projector	Appropriate long throw projector and lens to accommodate current screen. Minimum of	1
Projector Mount and Thermal Management	Appropriate mounting hardware and thermal management.	1
LC-70EQ30U	Sharp 70" Class AQUOS Q Series LED Smart TV	2
TV Wall Mount	If the current mounts for the gallery TVs cannot be used, then new full motion mounts must be installed.	2
LG 22M45D-B	LG 22" CLASS FULL HD LED MONITOR	8
Viewsonic TD2420	Viewsonic 24" Full HD Multi-Touch LCD	2

Icron USB 2.0 Ranger 2201	USB over Twisted Pair Extender	2pr
Crestron DM-CBL-8G	Crestron Ultra high-bandwidth shielded twisted pair cabling	1700'



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VENDOR'S ACCEPTANCE OF TERMS AND CONDITIONS

(Mark the Appropriate Choice)

☐ **Vendor accepts the terms and conditions of this RFQ**

OR

☐ **Vendor proposed the following exceptions to the terms and conditions of this RFQ**

NOTE: If exceptions are proposed, vendor must submit a "redlined" version of the RFQ showing all modifications (additions or deletions, or new provisions) proposed by the vendor. The vendor must also provide an explanation/rationale as to why each individual modification is required

(list exceptions below)

Signature

Printed Name

Title

Date